

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002019.D
 Acq On : 11 Jul 2018 20:08
 Operator : JU/SJ
 Sample : J3775-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAZP1

Manual Integrations
 APPROVED

Sohil
 7/12/2018 3:04:03 PM

Quant Time: Jul 12 00:24:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	564924	20.00	ng/ul	0.01
18) Naphthalene-d8	10.49	136	2516127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1445075	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.10	188	2975999	20.00	ng/ul	0.02
75) Chrysene-d12	21.30	240	1901019	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	1898155	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	67467m	5.19	ng/uL	0.00
5) Phenol-d5	6.90	99	1721331	33.67	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.05	67	1039030	32.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1393010	34.37	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	1350341	32.97	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	701868	37.56	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	807767	41.77	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	1417525	34.33	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	825330	19.31	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	4080031	33.43	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	5207725	34.57	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	671825	29.88	ng/ul	0.02
57) Fluorene-d10	15.35	176	3567468	33.35	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.47	200	315428	19.46	ng/ul	0.01
70) Anthracene-d10	17.19	188	5063885	35.22	ng/ul	0.01
76) Pyrene-d10	19.50	212	4480075	46.75	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.40	264	3571754	34.60	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.93	94	104039	2.018	ng/ul	95
44) Dimethylphthalate	13.80	163	1034969	8.629	ng/ul	99
49) Acenaphthene	14.41	153	348361	3.453	ng/ul	99
53) Dibenzofuran	14.75	168	201979	1.396	ng/ul	97
58) Fluorene	15.40	166	232350	2.012	ng/ul	98
69) Phenanthrene	17.14	178	9077583	54.148	ng/ul	97
71) Anthracene	17.23	178	2074357	12.224	ng/ul	98
72) Carbazole	17.50	167	908040	6.388	ng/ul	98
73) Di-n-butylphthalate	18.07	149	192143	1.070	ng/ul	97
74) Fluoranthene	19.16	202	13683139	77.649	ng/ul#	81
77) Pyrene	19.53	202	11477129	96.475	ng/ul#	83
78) Butylbenzylphthalate	20.43	149	104924	2.067	ng/ul#	81
80) Benzo(a)anthracene	21.29	228	5736025	47.743	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.22	149	575832	7.607	ng/ul	99
82) Chrysene	21.33	228	5271220	47.154	ng/ul	96
85) Benzo(b)fluoranthene	22.88	252	6085749	50.763	ng/ul#	93
86) Benzo(k)fluoranthene	22.92	252	2103323m	18.092	ng/ul	
88) Benzo(a)pyrene	23.45	252	3762361	33.583	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.80	276	2936280	24.631	ng/ul#	89
90) Dibenz(a,h)anthracene	25.80	278	802698	8.091	ng/ul#	83
91) Benzo(a,h,i)perylene	26.49	276	2437234	24.784	ng/ul#	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

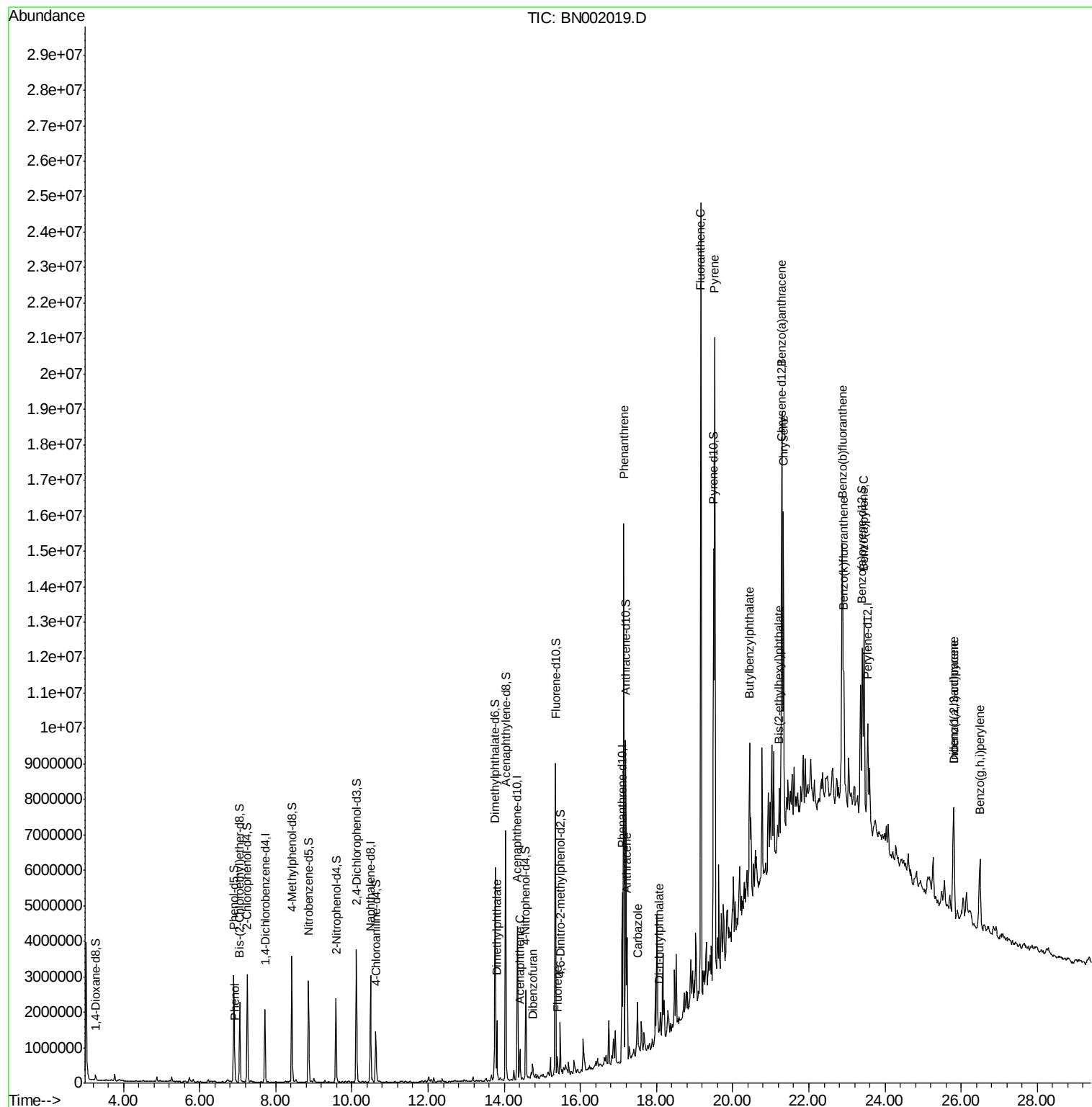
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN071118\
Data File : BN002019.D
Acq On : 11 Jul 2018 20:08
Operator : JU/SJ
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ALS Vial : 14 Sample Multiplier: 1

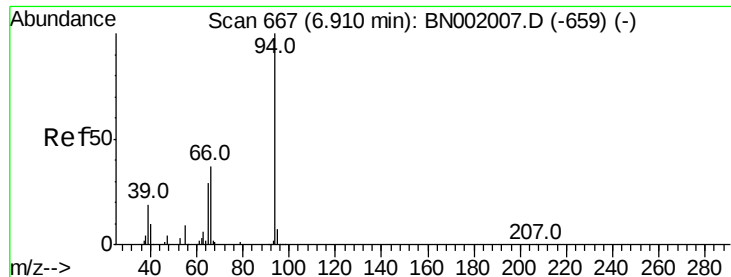
Instrument :
BNA_N
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DAZP1

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Response via : Initial Calibration





#6

Phenol

Concen: 2.018 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

DAZP1

Tot Ion: 94 Resp: 104039

Ion Ratio Lower Upper

94 100

65 30.1 23.0 34.6

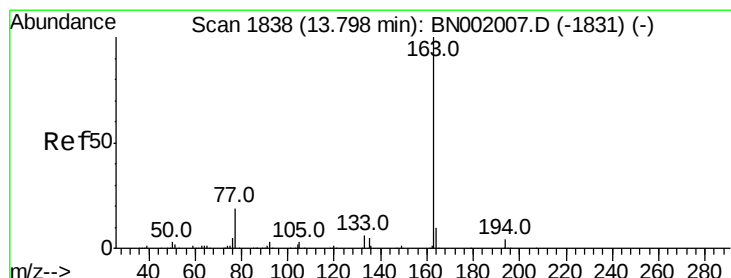
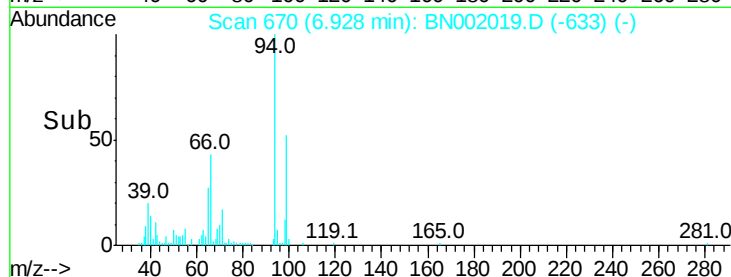
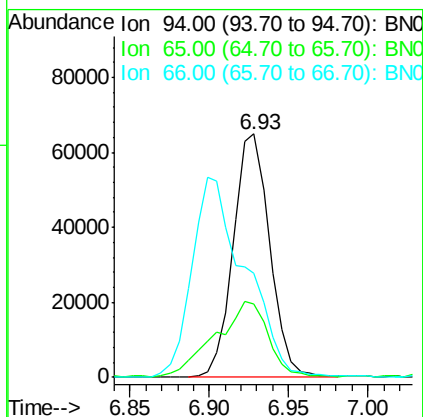
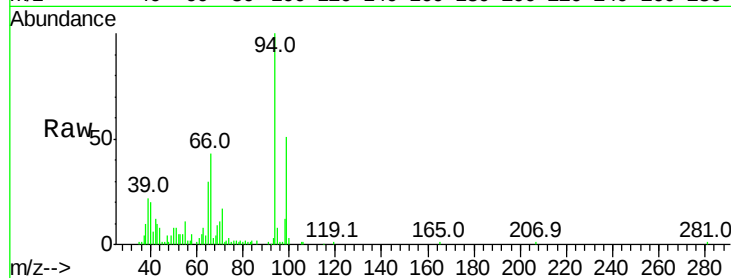
66 42.5 30.4 45.6

Manual Integrations

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#44

Dimethylphthalate

Concen: 8.629 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

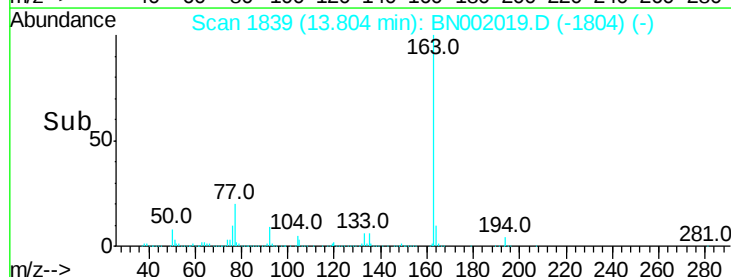
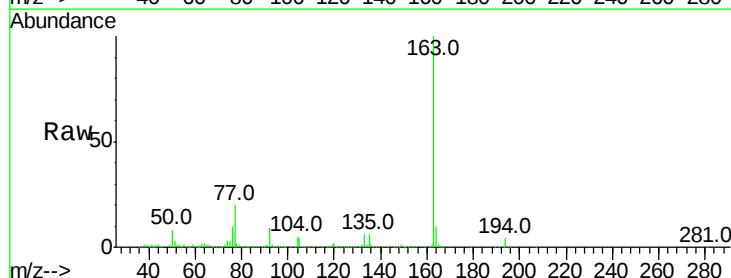
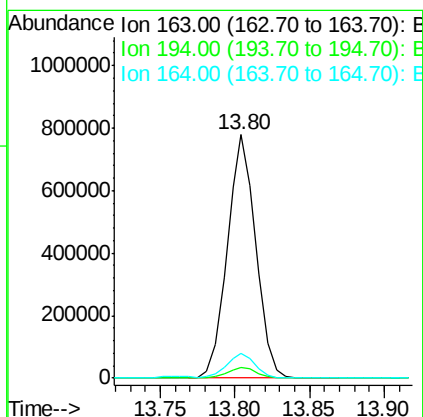
Tgt Ion:163 Resp: 1034969

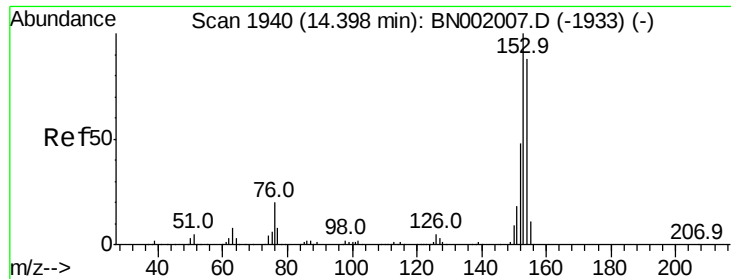
Ion Ratio Lower Upper

163 100

194 4.4 4.0 6.0

164 10.2 8.4 12.6





#49

Acenaphthene

Concen: 3.453 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

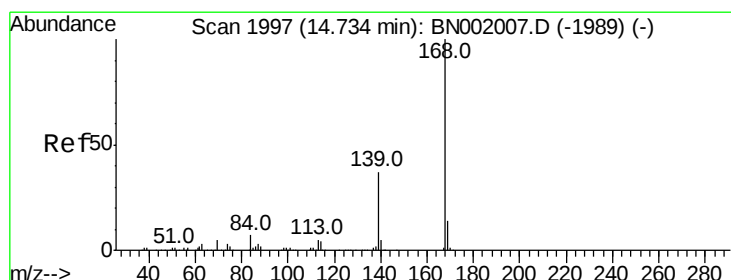
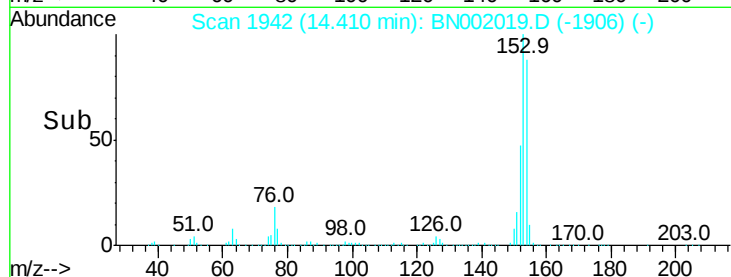
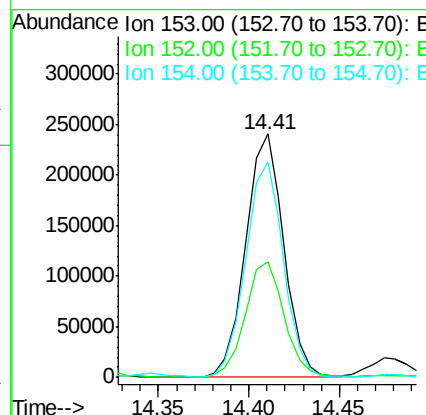
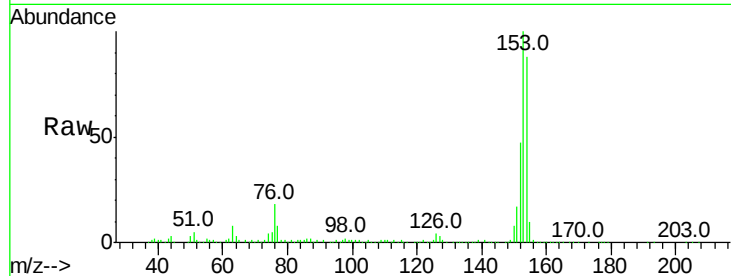
ClientSampleId :

DAZP1

Tot Ion:	153	Resp:	348361
Ion Ratio	Lower	Upper	
153	100		
152	47.5	37.9	56.9
154	88.4	69.8	104.6

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#53

Dibenzofuran

Concen: 1.396 ng/ul

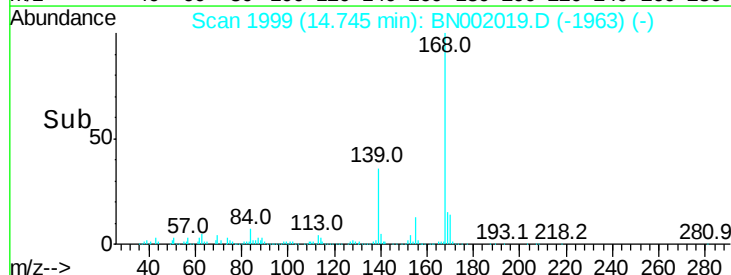
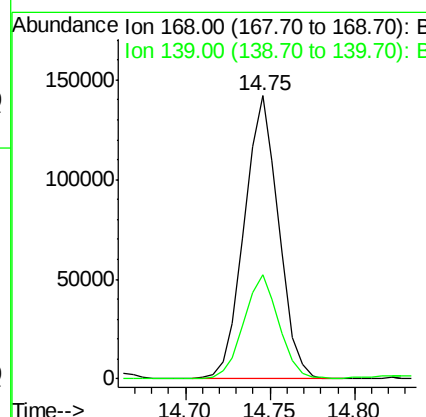
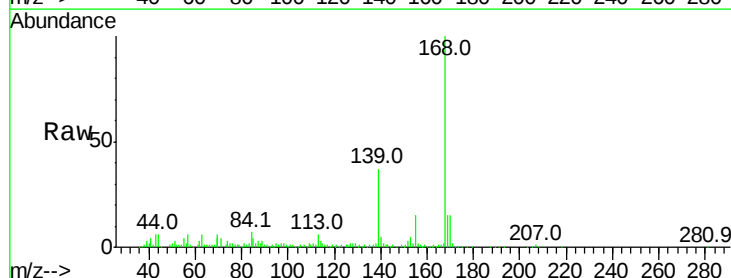
RT: 14.75 min Scan# 1999

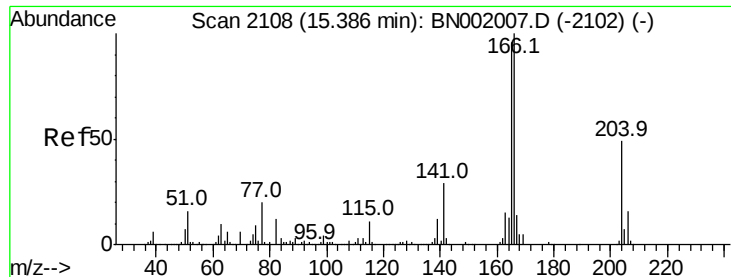
Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Tgt Ion:	168	Resp:	201979
Ion Ratio	Lower	Upper	
168	100		
139	36.6	31.0	46.4





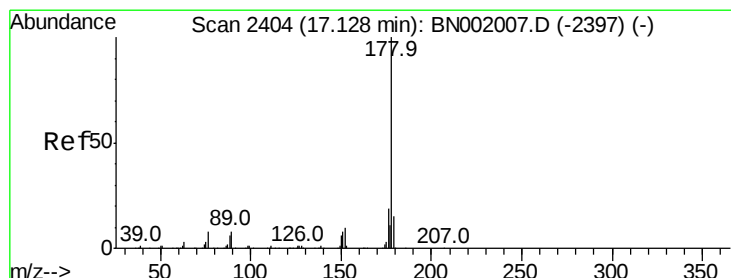
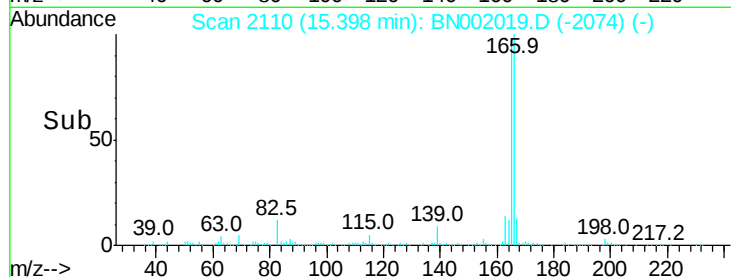
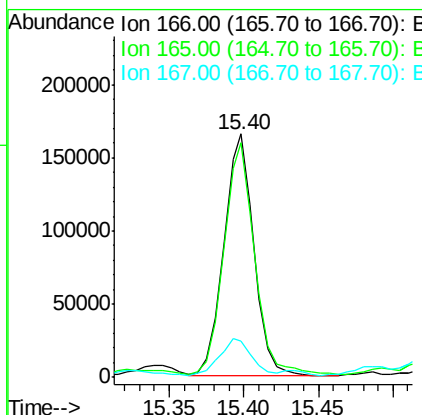
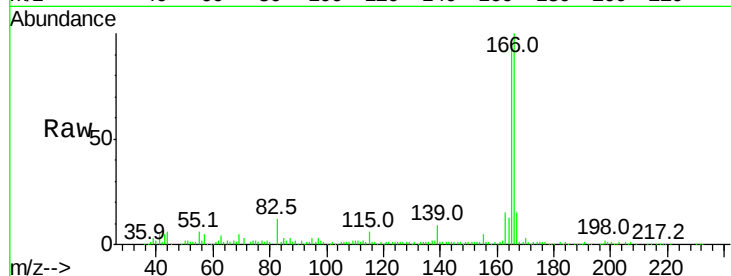
#58
Fluorene
 Concen: 2.012 ng/ul
 RT: 15.40 min Scan# 2110
 Delta R.T. 0.01 min
 Lab File: BN002019.D
 Acq: 11 Jul 2018 20:08

Instrument :
 BNA_N
 ClientSampleId :
 DAZP1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	232350		
165	96.2	78.4	117.6	
167	15.1	11.1	16.7	

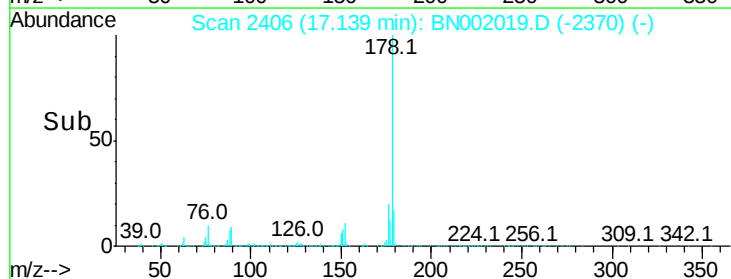
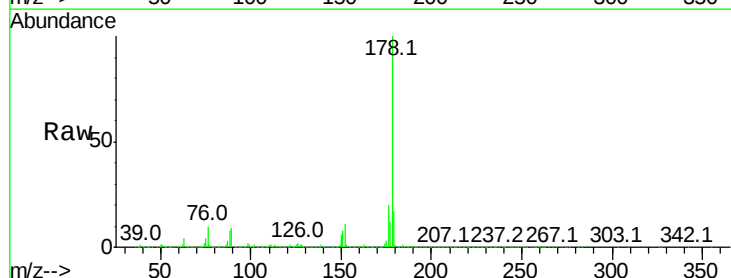
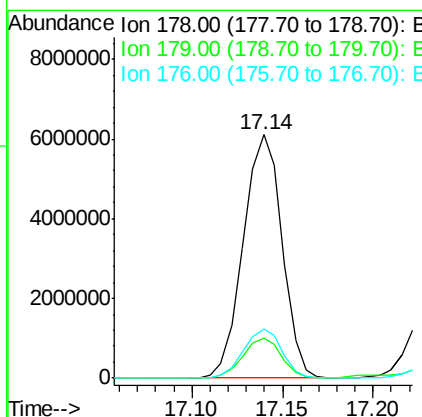
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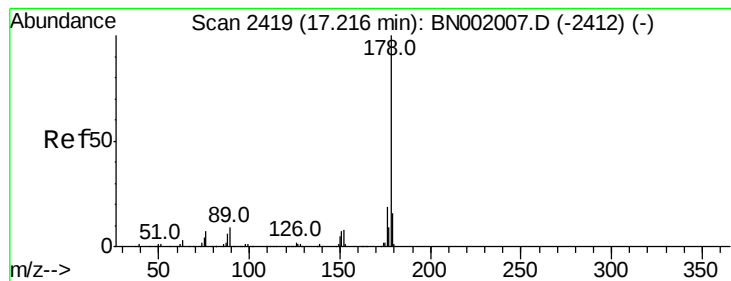
Sohil
 7/12/2018 3:04:03 PM



#69
Phenanthrene
 Concen: 54.148 ng/ul
 RT: 17.14 min Scan# 2406
 Delta R.T. 0.01 min
 Lab File: BN002019.D
 Acq: 11 Jul 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	9077583		
179	16.6	12.3	18.5	
176	20.4	15.4	23.0	





#71

Anthracene

Concen: 12.224 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

DAZP1

Tot Ion:178 Resp: 2074357

Ion Ratio Lower Upper

178 100

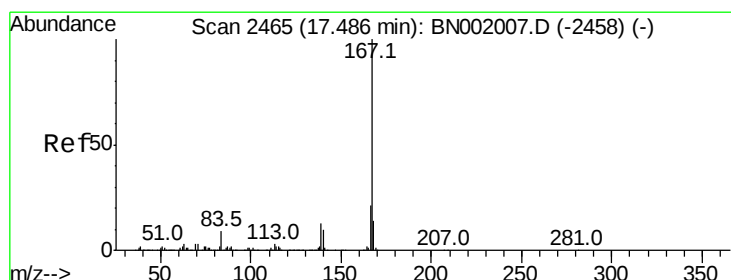
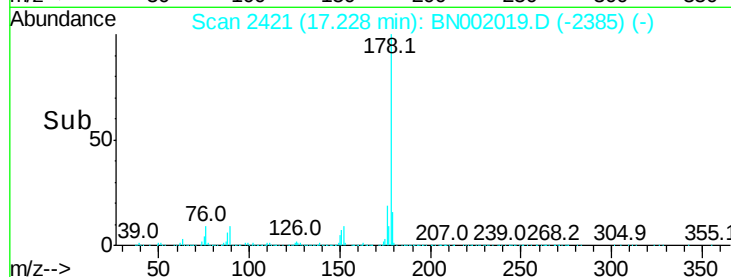
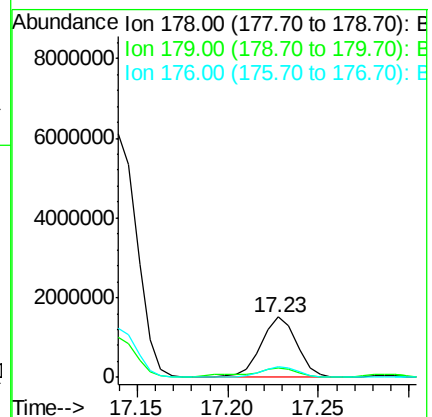
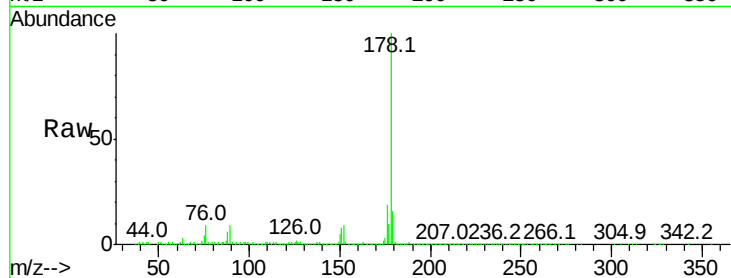
179 16.0 13.4 20.2

176 18.6 15.4 23.0

Manual Integrations
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#72

Carbazole

Concen: 6.388 ng/ul

RT: 17.50 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

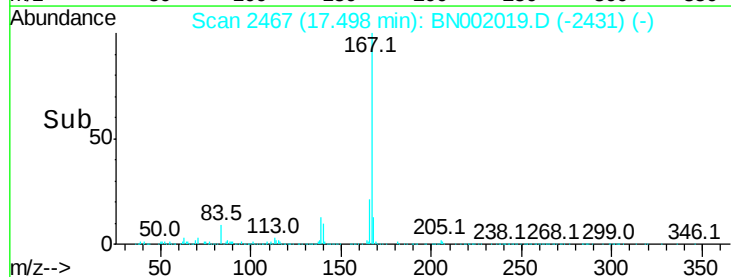
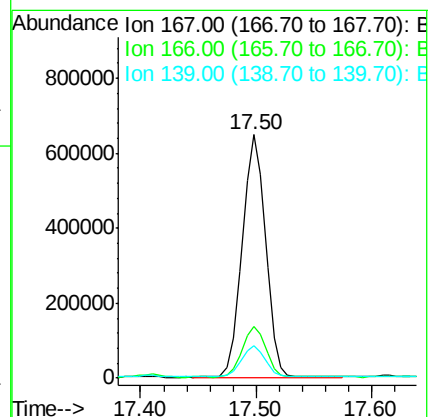
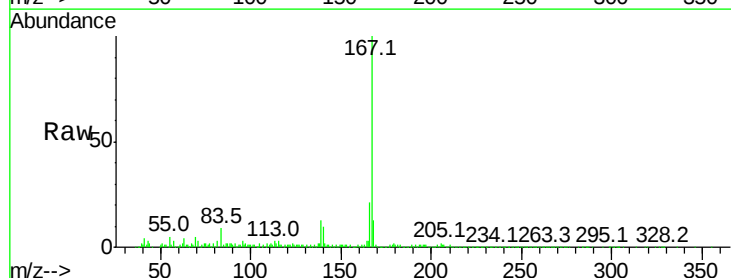
Tgt Ion:167 Resp: 908040

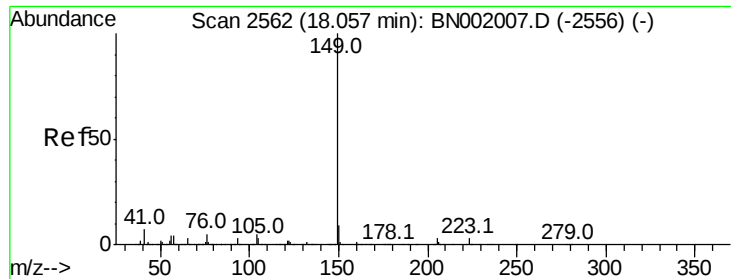
Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.4

139 13.5 9.1 13.7





#73

Di-n-butylphthalate

Concen: 1.070 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

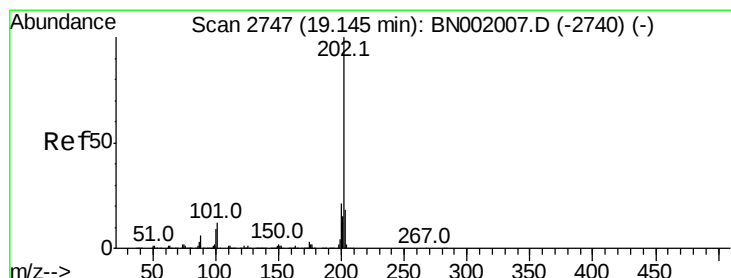
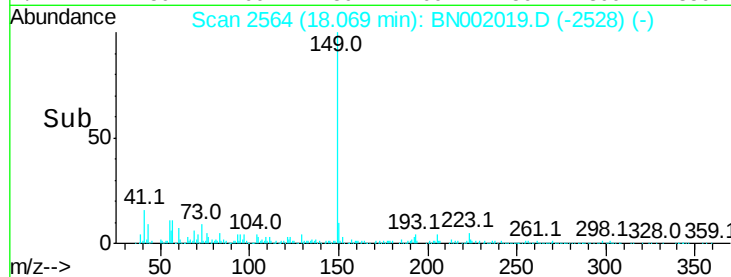
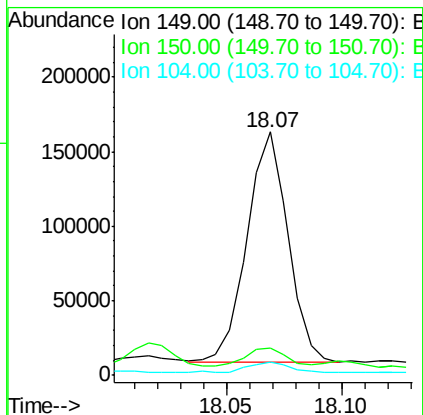
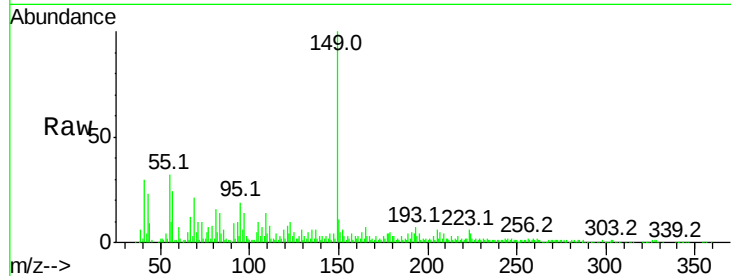
ClientSampleId :

DAZP1

Tot Ion:	149	Resp:	192143
Ion Ratio	Lower	Upper	
149	100		
150	11.2	7.5	11.3
104	5.2	4.1	6.1

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#74

Fluoranthene

Concen: 77.649 ng/ul

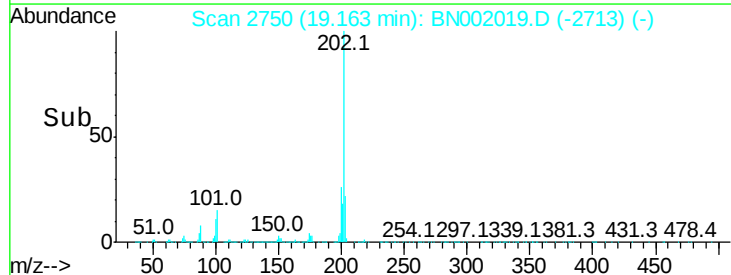
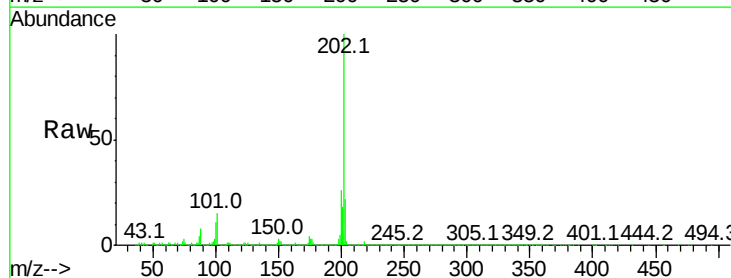
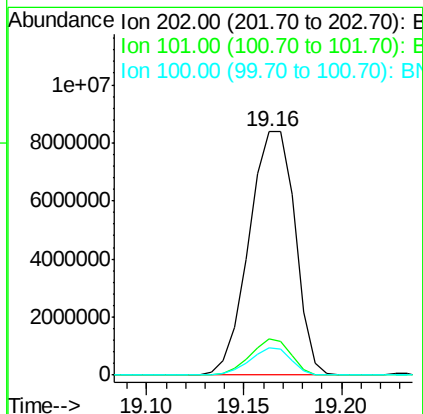
RT: 19.16 min Scan# 2750

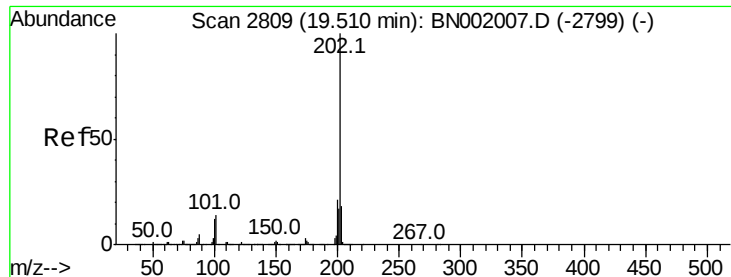
Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Tgt Ion:	202	Resp:	13683139
Ion Ratio	Lower	Upper	
202	100		
101	14.9	6.1	9.1#
100	11.4	4.6	7.0#





#77

Pvrene

Concen: 96.475 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampled :

DAZP1

Tot Ion:202 Resp:11477129

Ion Ratio Lower Upper

202 100

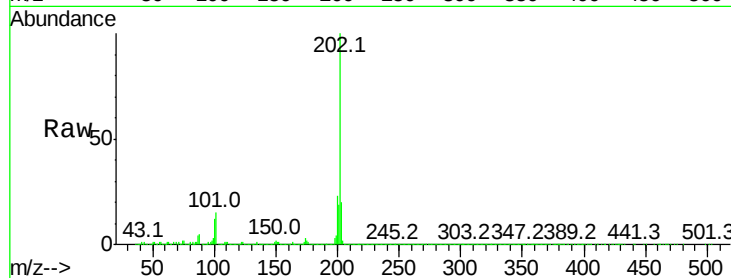
101 15.1 6.9 10.3#

100 12.5 5.6 8.4#

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

1e+07

8000000

6000000

4000000

2000000

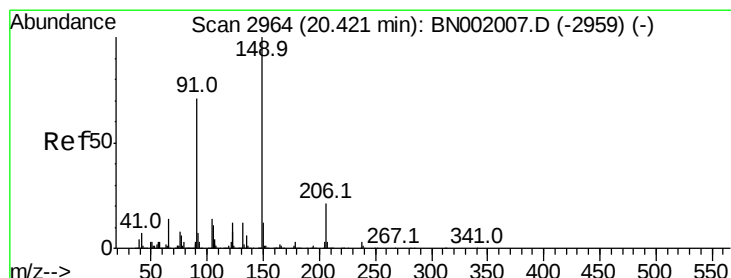
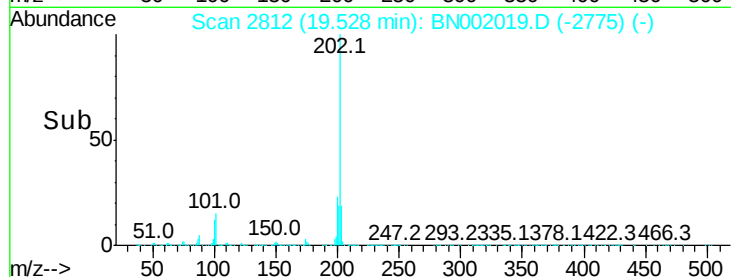
0

19.53

19.50

19.60

Time-->



#78

Butylbenzylphthalate

Concen: 2.067 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.01 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

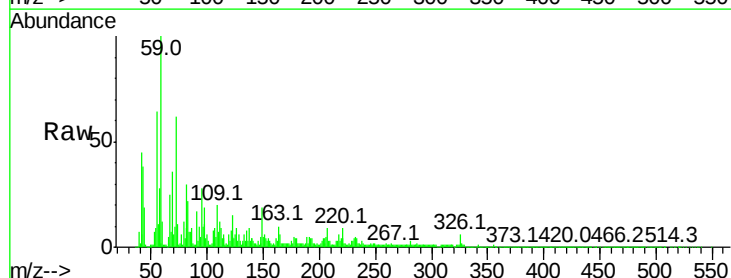
Tgt Ion:149 Resp: 104924

Ion Ratio Lower Upper

149 100

91 86.9 53.4 80.0#

206 23.4 19.3 28.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

150000

100000

50000

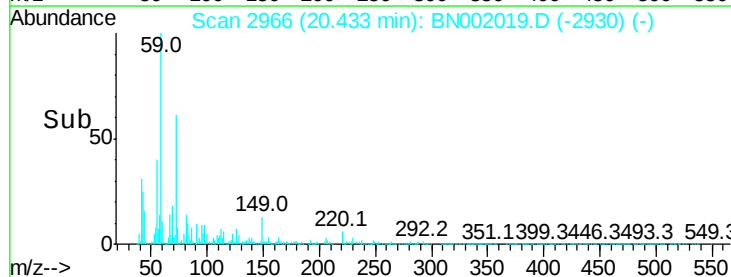
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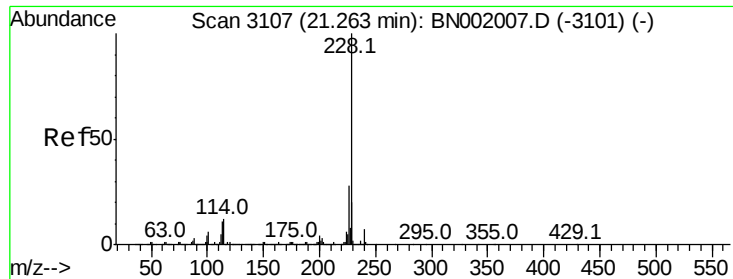
20.43

20.40

20.45

Time-->





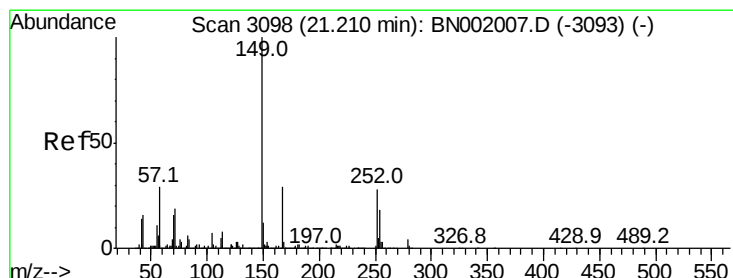
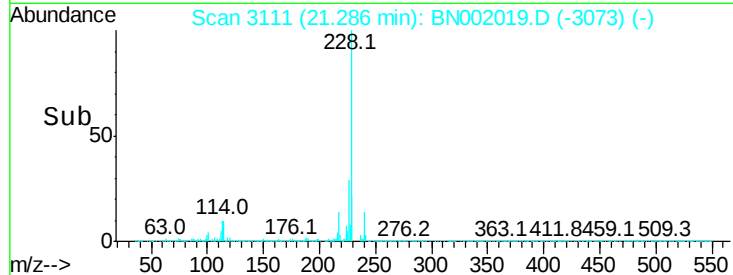
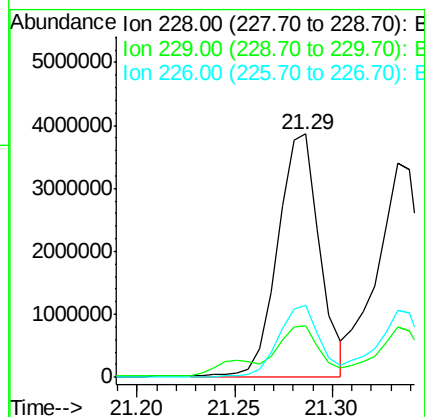
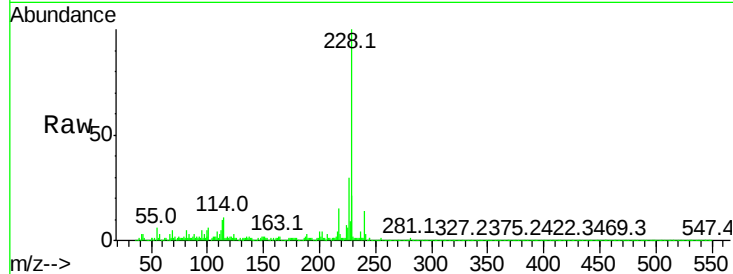
#80
Benzo(a)anthracene
Concen: 47.743 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. 0.02 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Instrument :
BNA_N
ClientSampled :
DAZP1

Tot Ion:228 Resp: 5736025
Ion Ratio Lower Upper
228 100
229 21.3 16.0 24.0
226 29.5 21.8 32.8

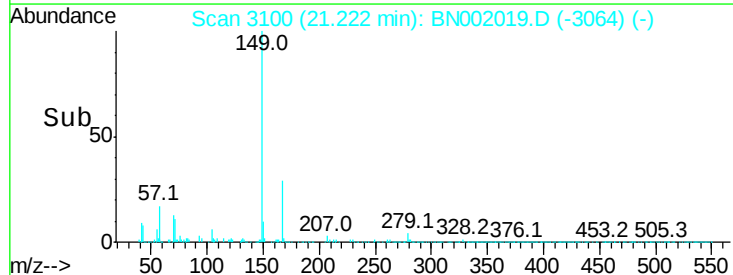
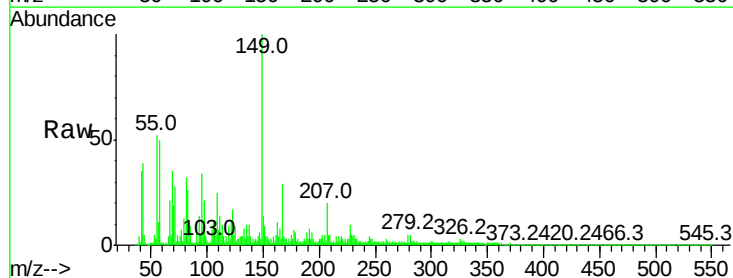
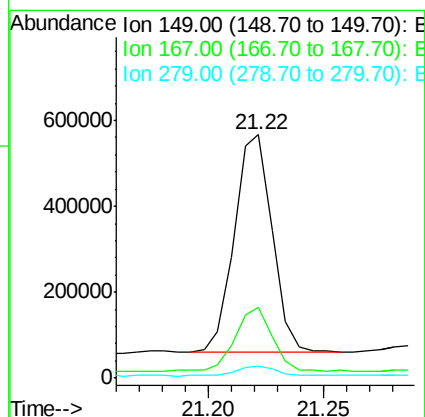
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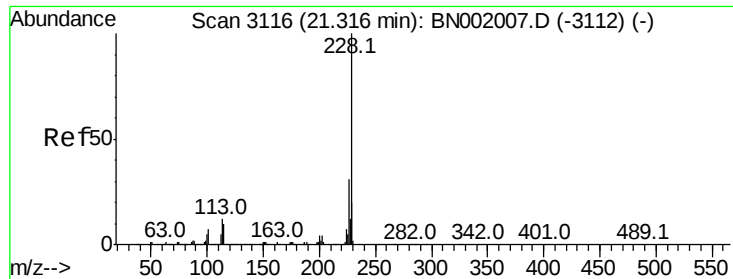
Sohil
7/12/2018 3:04:03 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 7.607 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Tgt Ion:149 Resp: 575832
Ion Ratio Lower Upper
149 100
167 29.2 23.0 34.6
279 4.9 4.3 6.5





#82

Chrysene

Concen: 47.154 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampled :

DAZP1

Tot Ion:228 Resp: 5271220

Ion Ratio Lower Upper

228 100

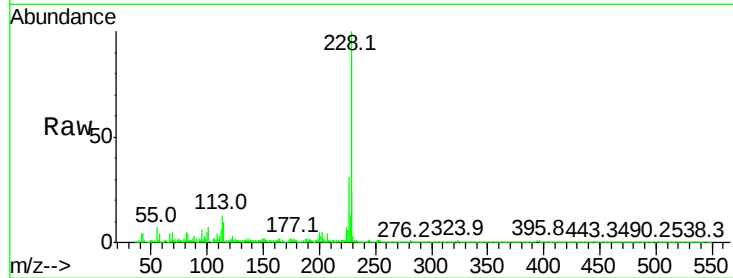
226 31.1 24.1 36.1

229 23.7 16.0 24.0

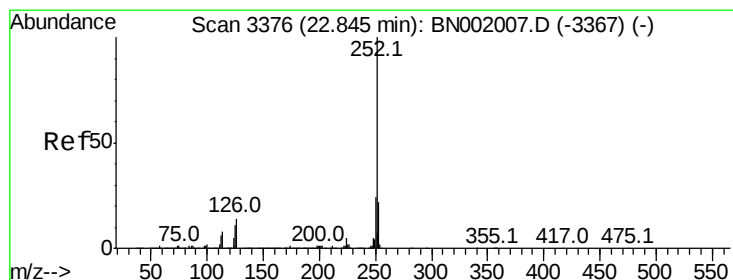
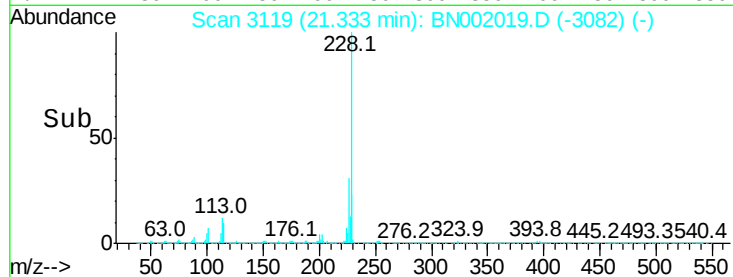
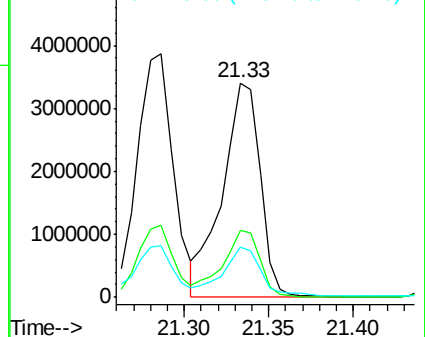
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 50.763 ng/ul

RT: 22.88 min Scan# 3382

Delta R.T. 0.04 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

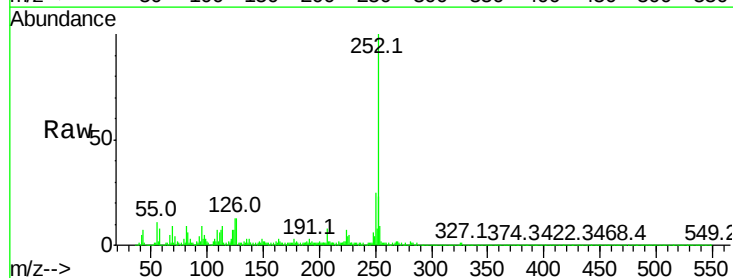
Tgt Ion:252 Resp: 6085749

Ion Ratio Lower Upper

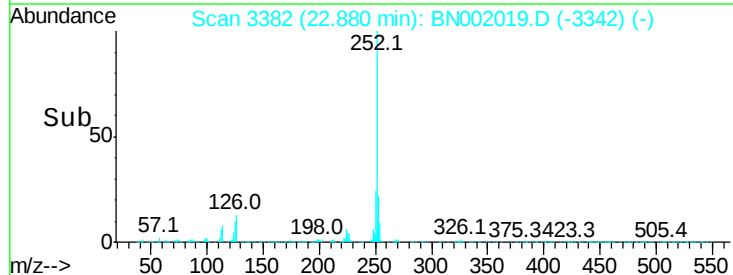
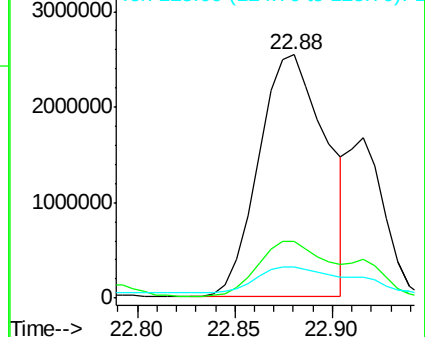
252 100

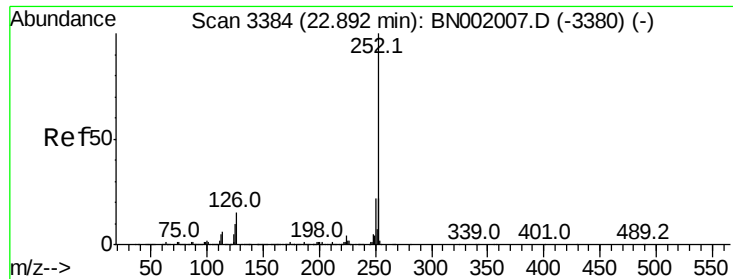
253 23.5 17.4 26.0

125 12.7 4.9 7.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





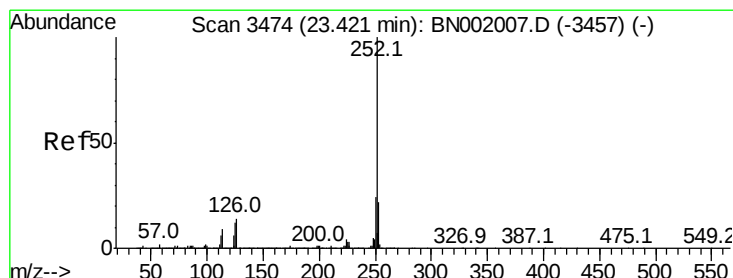
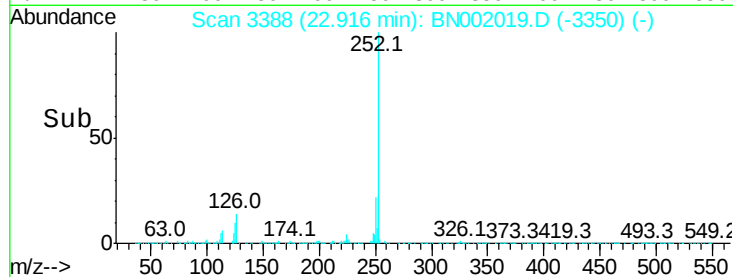
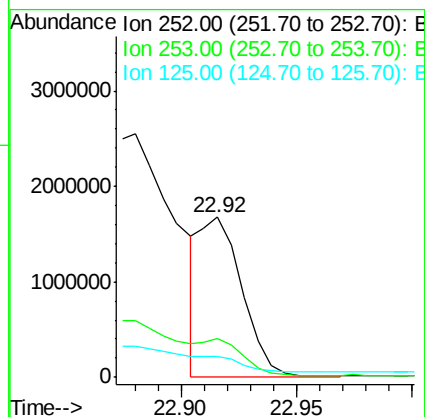
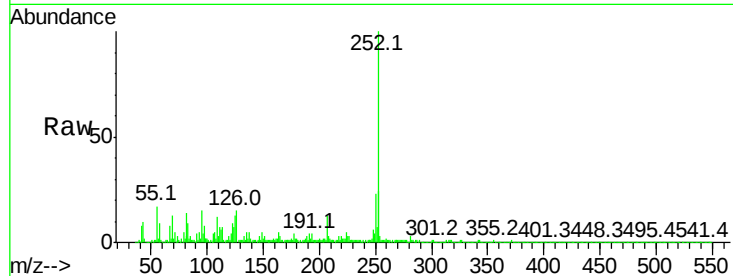
#86
Benzo(k)fluoranthene
Concen: 18.092 ng/ul m
RT: 22.92 min Scan# 3388
Delta R.T. 0.02 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Instrument :
BNA_N
ClientSampleId :
DAZP1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	13.0	5.4	8.0#

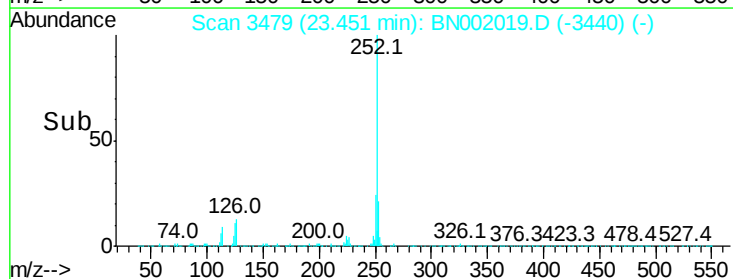
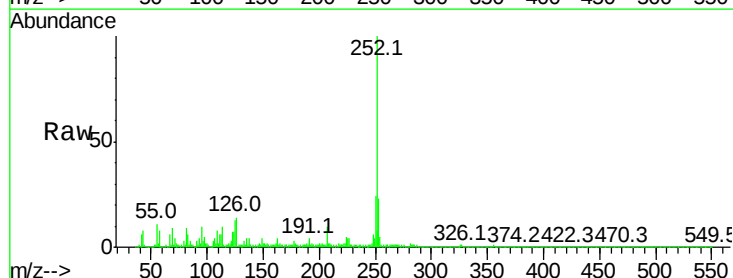
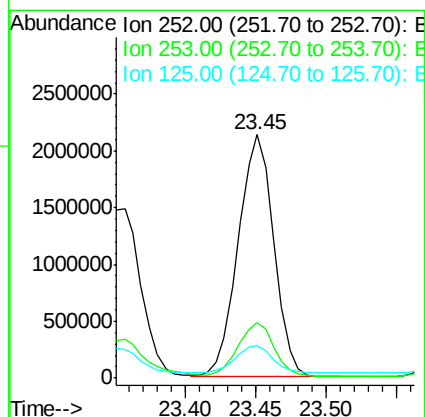
Manual Integrations
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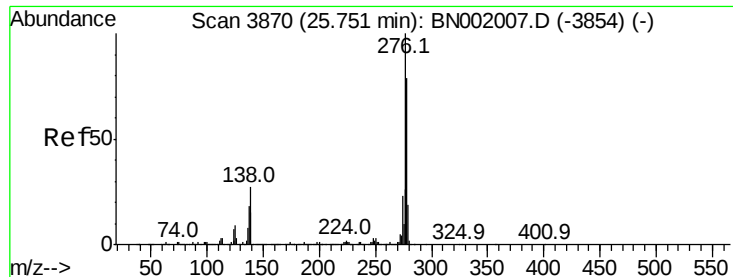
Sohil
7/12/2018 3:04:03 PM



#88
Benzo(a)pyrene
Concen: 33.583 ng/ul
RT: 23.45 min Scan# 3479
Delta R.T. 0.03 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	13.1	5.8	8.6#





#89

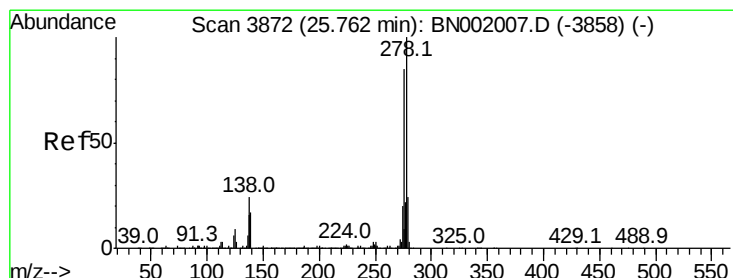
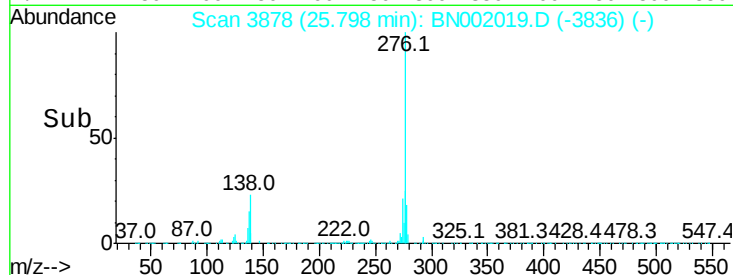
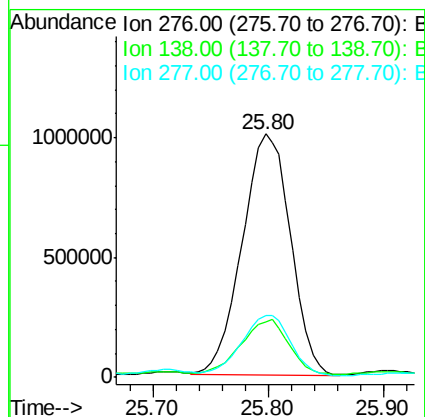
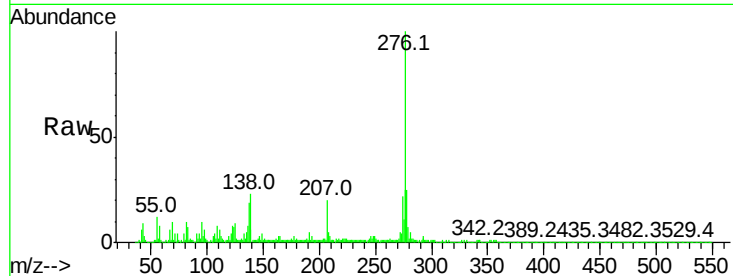
Indeno(1,2,3-cd)pyrene
Concen: 24.631 ng/ul
RT: 25.80 min Scan# 3878
Delta R.T. 0.05 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Instrument :
BNA_N
ClientSampled :
DAZP1

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	10.9	16.3#
277	25.5	18.9	28.3

Manual Integrations
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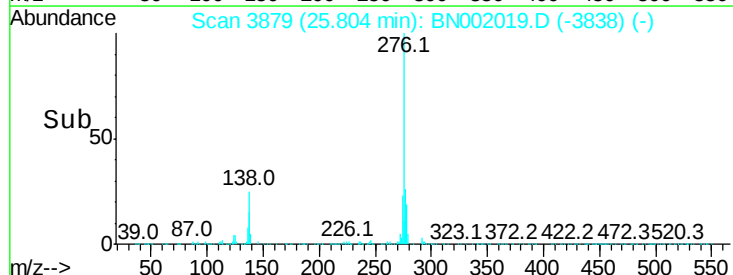
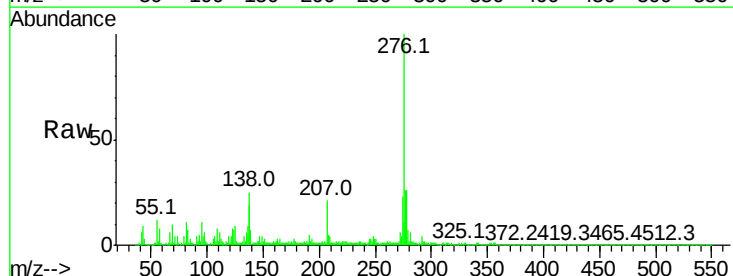
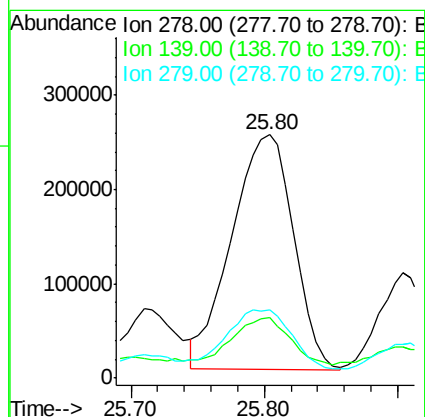
Sohil
7/12/2018 3:04:03 PM

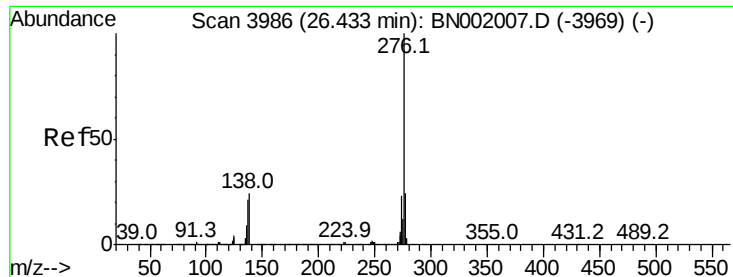


#90

Dibenzo(a,h)anthracene
Concen: 8.091 ng/ul
RT: 25.80 min Scan# 3879
Delta R.T. 0.04 min
Lab File: BN002019.D
Acq: 11 Jul 2018 20:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.8	9.0	13.4#
279	28.2	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 24.784 ng/ul

RT: 26.49 min Scan# 3995

Delta R.T. 0.05 min

Lab File: BN002019.D

Acq: 11 Jul 2018 20:08

Instrument :

BNA_N

ClientSampleId :

DAZP1

Tot Ion:276 Resp: 2437234

Ion Ratio Lower Upper

276 100

138 22.9 11.2 16.8#

277 23.8 19.0 28.6

Manual Integrations

APPROVED

Sohil

7/12/2018 3:04:03 PM

